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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: **Alex Battaglia**)
Serial No.: **10/053,313**) Examiner: **Theodore J. Criares**
Filed: **January 18, 2002**) Art Unit: **1617**
For: **Gum Resin as a Carrier for Topical Application of Pharmacologically Active Agents**) **MARKED UP VERSION OF CLAIMS**
)

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The Examiner is respectfully requested to make the following amendments. A clean copy of the text of the claims following the amendments is attached hereto

IN THE CLAIMS:

Cancel Claims 15-25 and 28 without prejudice to renewal as drawn to a non-elected invention.

1. (reiterated) A pharmacological composition comprising:

- a gum resin;
- at least one topically acceptable pharmacologically active agent other than said gum resin that is effective as a treatment for ameliorating symptoms of a disease of skin or a mucous membrane of a mammal, wherein said pharmacologically active agent can remain in contact with said skin or said mucous membrane greater than 6 hours without toxic effects to said mammal; and
- a topically acceptable volatile solvent for said gum resin and said pharmacologically active agent.

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2. (reiterated) The composition according to Claim 1, wherein said gum resin comprises benzoin.

3. (reiterated) The composition according to Claim 1, wherein said topically acceptable volatile solvent comprises ethanol.

4. (reiterated) The composition according to Claim 3, wherein said topically acceptable volatile solvent is ethanol and comprises about 60% to 90% of said composition.

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5. (reiterated) The composition according to Claim 1 wherein said pharmacologically active agent is an antimicrobial agent.

6. (reiterated) The composition according to Claim 5 wherein said antimicrobial agent is an anti-fungal agent.

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7. (reiterated) The composition according to Claim 6, wherein said anti-fungal agent is clotrimazole.

8. (reiterated) The composition according to Claim 7, wherein said clotrimazole is present as 1% of said composition.

9. (reiterated) The composition according to Claim 1 wherein said pharmacologically active agent is a steroidal agent.

10. (reiterated) The composition according to Claim 9, wherein said steroidal agent is betamethasone.

11. (reiterated) The composition according to Claim 10, wherein said betamethasone is present as 0.025-0.05 % of the composition.

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12. (reiterated) The composition according to Claim 1, wherein said pharmacologically active agent comprises both an antimicrobial agent and a steroid agent.

13. (reiterated) The composition according to Claim 1, further comprising a penetration enhancer.

14. (reiterated) A pharmacological composition comprising:

- a benzoin;
- clotrimazole ; and
- ethanol.

26. (reiterated) A biological dressing obtained according to the method of Claim 25.

27. (reiterated) A pharmacological composition comprising:

- a benzoin;
- 1% clotrimazole ; and
- 60% ethanol.

Respectfully submitted,

Date: April 7, 2003

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: **Alex Battaglia**)
Serial No.: **10/053,313**) Examiner: Theodore J. Charles
Filed: **January 18, 2002**) Art Unit: 1617
For: **Gum Resin as a Carrier for Topical Application of Pharmacologically Active Agents**) **CLEAN VERSION OF CLAIMS**
)

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The following is the text of the claims following entry of the amendments requested on the attached marked up version of the claims.

IN THE CLAIMS:

1. A pharmacological composition comprising:
 - a) a gum resin;
 - b) at least one topically acceptable pharmacologically active agent other than said gum resin that is effective as a treatment for ameliorating symptoms of a disease of skin or a mucous membrane of a mammal, wherein said pharmacologically active agent can remain in contact with said skin or said mucous membrane greater than 6 hours without toxic effects to said mammal; and
 - c) a topically acceptable volatile solvent for said gum resin and said pharmacologically active agent.
2. The composition according to Claim 1, wherein said gum resin comprises benzoin.

3. The composition according to Claim 1, wherein said topically acceptable volatile solvent comprises ethanol.
4. The composition according to Claim 3, wherein said topically acceptable volatile solvent is ethanol and comprises about 60% to 90% of said composition.
5. The composition according to Claim 1 wherein said pharmacologically active agent is an antimicrobial agent.
6. The composition according to Claim 5 wherein said antimicrobial agent is an anti-fungal agent.
7. The composition according to Claim 6, wherein said anti-fungal agent is clotrimazole.
8. The composition according to Claim 7, wherein said clotrimazole is present as 1% of said composition.
9. The composition according to Claim 1 wherein said pharmacologically active agent is a steroidal agent.
10. The composition according to Claim 9, wherein said steroidal agent is betamethasone.
11. The composition according to Claim 10, wherein said betamethasone is present as 0.025-0.05 % of the composition.
12. The composition according to Claim 1, wherein said pharmacologically active agent comprises both an antimicrobial agent and a steroidal agent.
13. The composition according to Claim 1, further comprising a penetration enhancer.

14. A pharmacological composition comprising:
 - a) a benzoin;
 - b) clotrimazole ; and
 - c) ethanol.

26. A biological dressing obtained according to the method of Claim 25.

27. A pharmacological composition comprising:
 - a) a benzoin;
 - b) 1% clotrimazole ; and
 - c) 60% ethanol.

Respectfully submitted,

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WHAT IS CLAIMED IS:

1. A pharmacological composition comprising:
 - a) a gum resin;
 - 5 b) at least one topically acceptable pharmacologically active agent other than said gum resin that is effective as a treatment for ameliorating symptoms of a disease of skin or a mucous membrane of a mammal, wherein said pharmacologically active agent can remain in contact with said skin or said mucous membrane greater than 6 hours without toxic effects to said mammal; and
 - 10 c) a topically acceptable volatile solvent for said gum resin and said pharmacologically active agent.
2. The composition according to Claim 1, wherein said gum resin comprises benzoin.
- 15 3. The composition according to Claim 1, wherein said topically acceptable volatile solvent comprises ethanol.
4. The composition according to Claim 3, wherein said topically acceptable volatile solvent is ethanol and comprises about 60% to 90% of said composition.
- 20 5. The composition according to Claim 1 wherein said pharmacologically active agent is an antimicrobial agent.
- 25 6. The composition according to Claim 5 wherein said antimicrobial agent is an anti-fungal agent.
7. The composition according to Claim 6, wherein said anti-fungal agent is clotrimazole.

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8. The composition according to Claim 7, wherein said clotrimazole is present as 1% of said composition.
9. The composition according to Claim 1 wherein said pharmacologically active agent is a steroidal agent.
10. The composition according to Claim 9, wherein said steroidal agent is betamethasone.
- 10 11. The composition according to Claim 10, wherein said betamethasone is present as 0.025-0.05 % of the composition.
12. The composition according to Claim 1, wherein said pharmacologically active agent comprises both an antimicrobial agent and a steroidal agent.
- 15 13. The composition according to Claim 1, further comprising a penetration enhancer.
14. A pharmacological composition comprising:
 - a) a benzoin;
 - 20 b) clotrimazole ; and
 - c) ethanol.
26. A biological dressing obtained according to the method of Claim 25.
- 25 27. A pharmacological composition comprising:
 - a) a benzoin;
 - b) 1% clotrimazole ; and
 - c) 60% ethanol.